**Substance:** PCAP931 + PTZ 2.5mM

**Date:** 160419

**Zebrafish DOB:** 160409 (10 dpf)

**Tank: 3**

**Aim:** Response PCAP931

**Volume in wells:** 1.0 mL

**Stock PCAP931:**

**500 uM**

**50 uM (100 uL + 900 uL E3)**

**PTZ solution:** 50 mM in E3 (50 µl to each well)

**Control:** 50 uL E3

Plate 1:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Well | 1 | 2 | 3 | 4 | 5 | 6 |
| A | PCAP93110uM | PCAP93110uM | PCAP93110uM | PCAP93110uM | PCAP93110uM | PCAP93110uM |
| B | control | control | control | control | control | control |
| C | PCAP931 3uM | PCAP931 3uM | PCAP931 3uM | PCAP931 3uM | PCAP931 3uM | PCAP931 3uM |
| D | PCAP931 1uM | PCAP931 1uM | PCAP931 1uM | PCAP931 1uM | PCAP931 1uM | PCAP931 1uM |

Plate 2:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Well | 1 | 2 | 3 | 4 | 5 | 6 |
| E | PCAP93110uM | PCAP93110uM | PCAP93110uM | PCAP93110uM | PCAP93110uM | PCAP93110uM |
| F | control | control | control | control | control | control |
| G | PCAP931 3uM | PCAP931 3uM | PCAP931 3uM | PCAP931 3uM | PCAP931 3uM | PCAP931 3uM |
| H | PCAP931 1uM | PCAP931 1uM | PCAP931 1uM | PCAP931 1uM | PCAP931 1uM | PCAP931 1uM |

File

No adaption Add Clozapine directly. E3 in control

Record during 13x5 min in dark light conditions

|  |  |  |
| --- | --- | --- |
| 0 | Light | 132307 |
| 5 | Light | 132809 |
| 10 | Light | 133310 |
| 15 | Light | 133812 |
| 20 | Light | 134313 |
| 25 | Light | 134815 |
| 30 | Light | 135316 |
| 35 | Light | 135818 |
| 40 | Light | 140319 |
| 45 | Light | 140821 |
| 50 | Light | 141323 |
| 55 | Light | 141824 |
| 60 | Light | 142326 |

Added PTZ to all wells except Control (B and F).

|  |  |  |
| --- | --- | --- |
| 0 | Dark | 143318 |
| 5 | Dark | 143822 |
| 10 | Dark | 144324 |
| 15 | Dark | 144826 |
| 20 | Dark | 145328 |
| 25 | Dark | 145830 |
| 30 | Dark | 150332 |
| 35 | Dark | 150834 |
| 40 | Dark | 151335 |
| 45 | Dark | 151838 |
| 50 | Dark | 152340 |
| 55 | Dark | 152842 |
| 60 | Dark | 153344 |

**Other conditions:** Cover blanket,

Exposure: 1400 µsec, 300 s per recording

Thermostat: 31.5°C

Water temperature: in bath: 30.5°C in wells: 28.0°C

After experiment: all larvae terminated on ice